



Bearing No. 7215 CD/P4A

a	26.3 mm
d	75 mm
D	130 mm
B	25 mm
Bore	2.953 Inch 75 Millimeter
Noun	Bearing
Width	0.984 Inch 25 Millimeter
UNSPSC	31171531
Preload	None
Ball - z	17
Category	Precision Ball Bearings
Size (mm)	130x75x25
Enclosure	Open
Inventory	0.0
Width (mm)	25
Weight / LBS	2.734
Flush Ground	No
Mass bearing	1.21 kg
d ₁	92.9 mm
d ₂	92.9 mm
D ₁	112.1 mm
Inch - Metric	Metric
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d _n	96.6 mm
Product Group	B04270
Contact Angle	15 Degree
D ₁	112.1 mm
d	96.6 mm

n	
d ₂	92.9 mm
d ₁	92.9 mm
Bearing number	7215 CD/P4A
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact Super Precision High Capacity
Preload class B	118 N/micron
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
G _{ref}	14.895 cm ³
Preload class C	165 N/micron
Preload class D	237 N/micron
Preload class A	87 N/micron
Outside Diameter	5.118 Inch 130 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	75MM Bore; 130MM Outside Diameter; 25MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearings; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring Ra
Manufacturer Name	SKF
Number of balls z	17
Weight / Kilogram	1.241
d _a min.	84 mm
d _b min.	84 mm
Bore Diameter (mm)	130

Number of Bearings	1 (Single)
r_b max.	0.6 mm
r_a max.	1.5 mm
D_a max.	121 mm
D_b max.	125.8 mm
Outer Diameter (mm)	75
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
d_a - min.	84 mm
Calculation factor f	1.08
d_b - min.	84 mm
Ball - D_w	15.875 mm
D_a - max.	121 mm
Minimum Buy Quantity	N/A
r_a - max.	1.5 mm
r_b - max.	0.6 mm
D_b - max.	125.8 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.08
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.5 mm
Manufacturer Item Number	7215 CD/P4A
Basic dynamic load rating C	71.5 kN
Ball diameter D_w	15.875 mm
Preload class B G_B	540 N
Preload class A G_A	270 N
Preload class C G_C	1080 N
Preload class D G_D	2160 N
Basic dynamic load rating - C	71.5 kN
Preload class B - G_B	540 N

Preload class C - G_C	1080 N
Preload class A - G_A	270 N
Preload class D - G_D	2160 N
Calculation factor f_1	1
Fatigue load limit P_u	2.65 kN
Calculation factor f_0	15
Calculation factor - f	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.03
Calculation factor f_{2D}	1.05
Calculation factor f_{HC}	1
Calculation factor - f_0	15
Fatigue load limit - P_u	2.6 kN
Limiting speed for oil lubrication	17000 mm/min
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2D}	1.05
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	10000 r/min
Basic static load rating C_0	62 kN
Static axial stiffness, preload class A	87 N/ μ m
Static axial stiffness, preload class B	118 N/ μ m
Static axial stiffness, preload class C	165 N/ μ m
Static axial stiffness,	237 N/ μ m

preload class D	
Attainable speed for grease lubrication	10000 r/min
Attainable speed for oil-air lubrication	17000 r/min
Basic static load rating - C_0	62 kN
Reference grease quantity G_{ref}	14.895 cm ³